Report date: 08/16/17

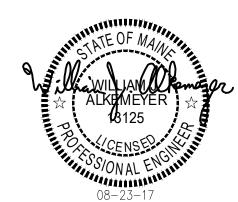
Project Title: Starbucks Coffee Company

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☐ Gravity dampers acceptable in buildings <3 stories ☐ 16.Automatic controls for freeze protection systems present

Data filename: F:\2017\100-17 SB - NORR\146-17 SB - Portland, ME\DOCS\146-17.cck

Project Title: Starbucks Coffee Company





Section 1: Project Information

Energy Code: 2009 IECC Project Title: Starbucks Coffee Company

Project Type: Alteration Construction Site: Owner/Agent: Designer/Contractor: 1080 Forest Avenue

Section 2: General Information

Building Location (for weather data):

Section 3: Mechanical Systems List

Quantity System Type & Description

Portland, ME 04103

1 RTU1 (Single Zone): Heating: 1 each - Central Furnace, Gas, Capacity = 80 kBtu/h

Proposed Efficiency = 80.00% Et, Required Efficiency = 80.00% Et Cooling: 1 each - Single Package DX Unit, Capacity = 60 kBtu/h, Air-Cooled Condenser, Air Economizer Proposed Efficiency = 14.00 SEER, Required Efficiency: 13.00 SEER Fan System: FAN SYSTEM 1 | FOH -- Compliance (Motor nameplate HP method) : Passes

FAN 1 Supply, Constant Volume, 2000 CFM, 1.0 motor nameplate hp

RTU2 (Single Zone): Heating: 1 each - Central Furnace, Gas, Capacity = 120 kBtu/h

Proposed Efficiency = 80.00% Et, Required Efficiency = 80.00% Et Cooling: 1 each - Single Package DX Unit, Capacity = 95 kBtu/h, Air-Cooled Condenser, Air Economizer Proposed Efficiency = 11.20 EER, Required Efficiency: 11.00 EER

Fan System: FAN SYSTEM 2 | BOH -- Compliance (Motor nameplate HP method) : Passes

FAN 2 Supply, Constant Volume, 3000 CFM, 1.0 motor nameplate hp

1 AHU/CU-1 (Single Zone): Heating: 1 each - Other, Electric, Capacity = 14 kBtu/h No minimum efficiency requirement applies

Cooling: 1 each - Split System, Capacity = 12 kBtu/h, Air-Cooled Condenser, No Economizer, Economizer

Proposed Efficiency = 19.40 SEER, Required Efficiency: 13.00 SEER
Fan System: FAN SYSTEM 3 | WORKROOM -- Compliance (Motor nameplate HP method): Passes

FAN 4 Supply, Constant Volume, 335 CFM, 0.3 motor nameplate hp

Section 4: Requirements Checklist

Requirements Specific To: RTU1:

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☐ 1. Equipment minimum efficiency: Central Furnace (Gas): 80.00 % Et (or 78% AFUE)

☐ 2. Equipment minimum efficiency: Single Package Unit: 13.00 SEER ☐ 3. Integrated economizer is required for this location and system.

☐ 4. Cooling system provides a means to relieve excess outdoor air during economizer operation.

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STARBUCKS COFFEE COMPANY 2401 UTAH AVENUE SOUTH SEATTLE, WASHINGTON 98134 (206) 318-1575

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ENGINEER OF RECORD

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Engineering Consultant

CO 080

 \mathbf{K} \mathbf{N} \mathbf{U} \mathbf{H}

STORE #: 11917 37548-037 08/04/2017 J. BOND

A. LEE

PRODUCTION DESIGNER: E. VEGA CHECKED BY: BMS / SWE

Rev Date By

ENERGY CODE CALCULATIONS

PROJECT #: ISSUE DATE:: PROGRAM MANAGER: DESIGNER: LEED®AP:

R. TURNER-LAUCK

Revision Schedule

SCALE: AS SHOWN

E-0004